

Figure 1

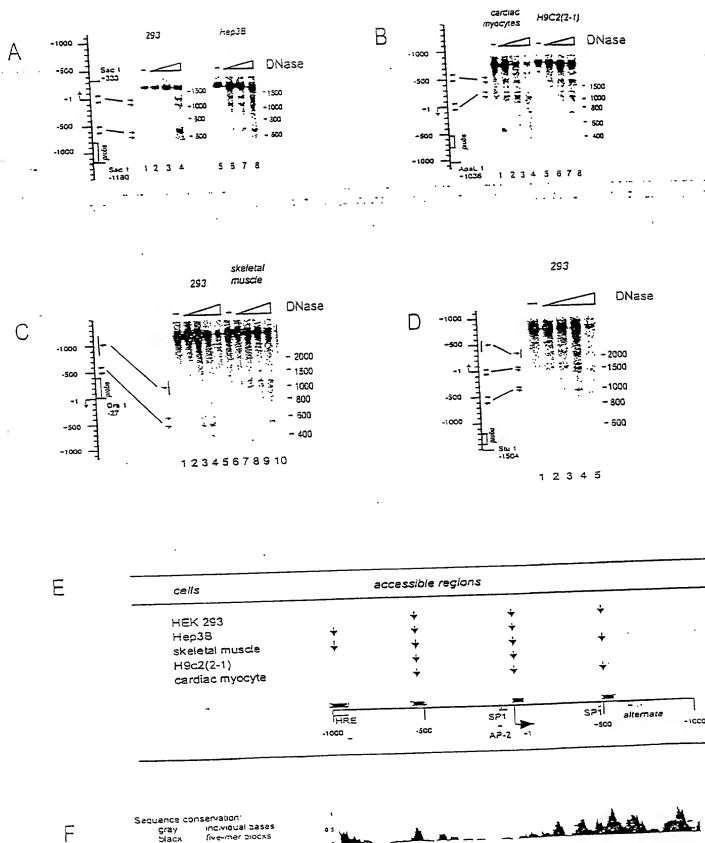
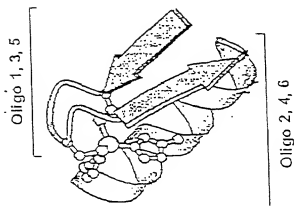
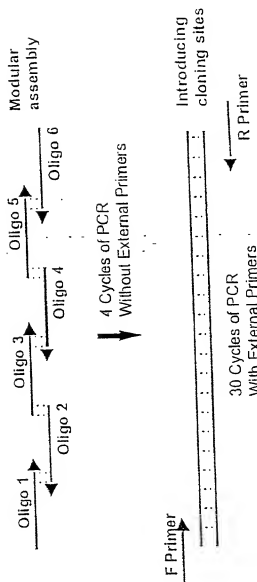


Figure 2

A



B



C



# Figure 2

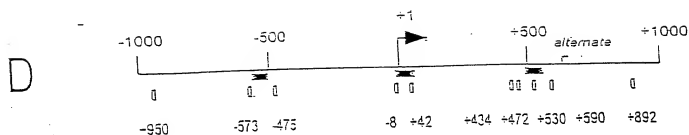
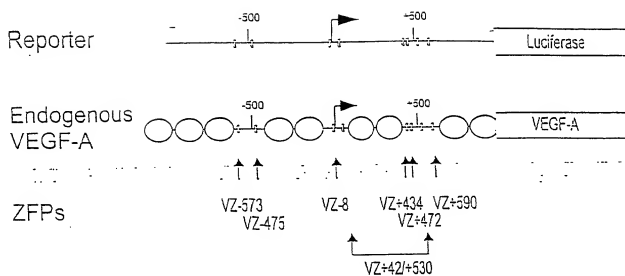


Figure 3

A



B

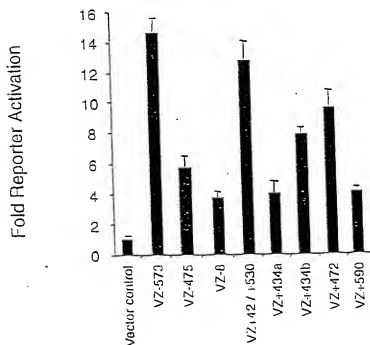
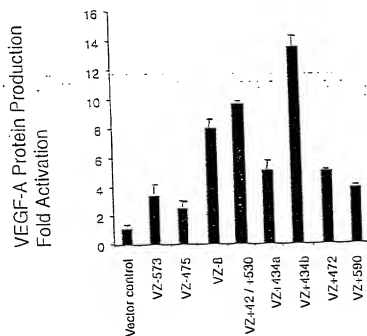


Figure 3

C



D

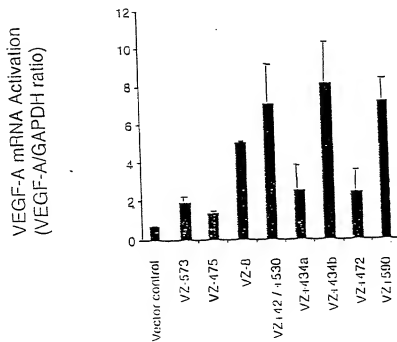
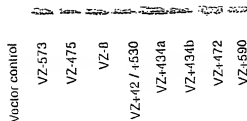


Figure 3

E

ZFP  
Protein



F

Relative ZFP mRNA levels  
(VP16 / GAPDH by Taqman)

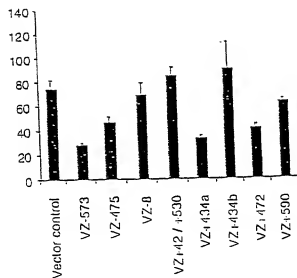
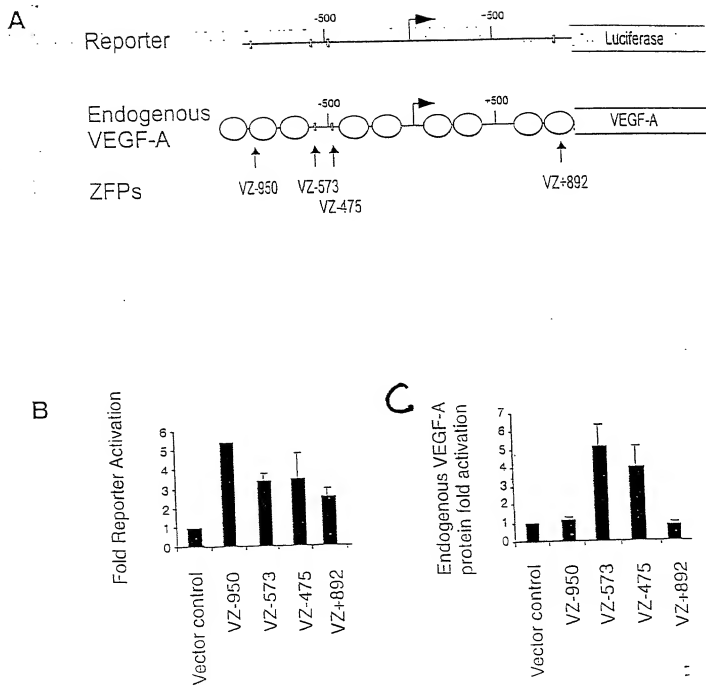
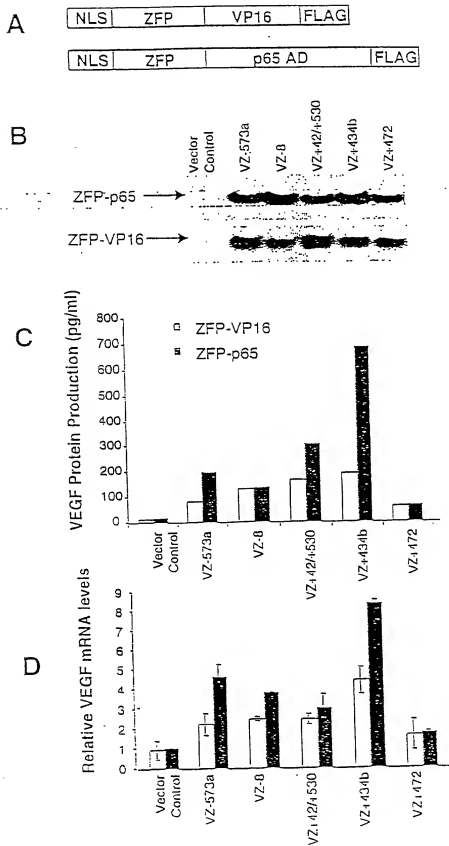


Figure 4



# Figure 5





# Figure 6

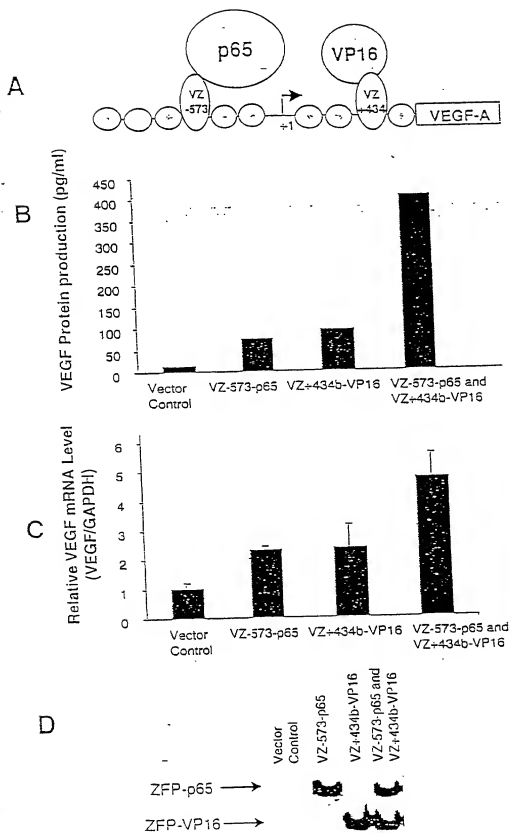


Figure 7

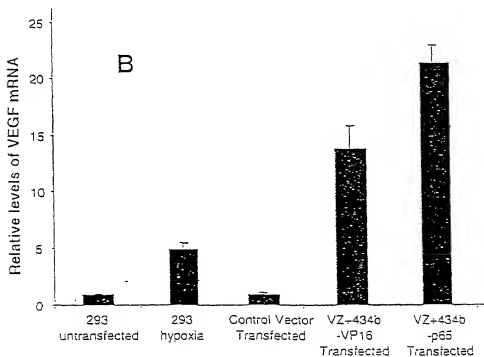
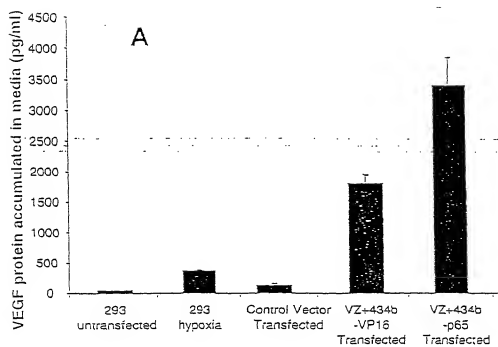
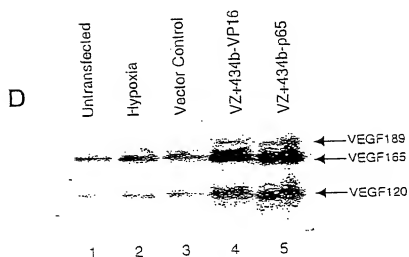
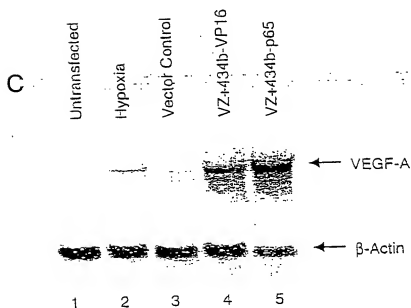


Figure 7



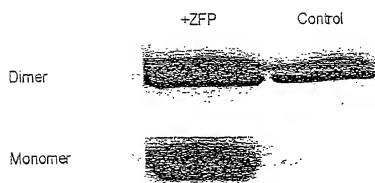


FIG. 8

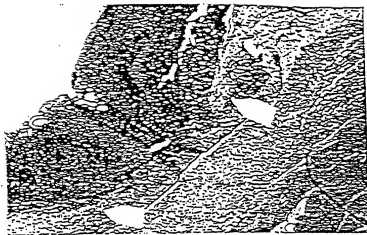
Control

A.



+ZFP

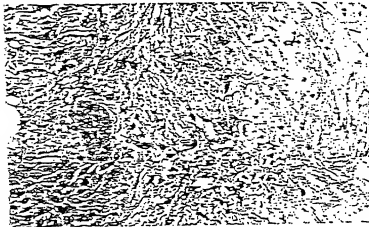
B.



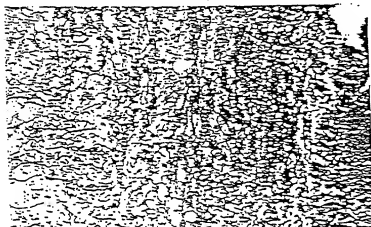
C.



D.



E.

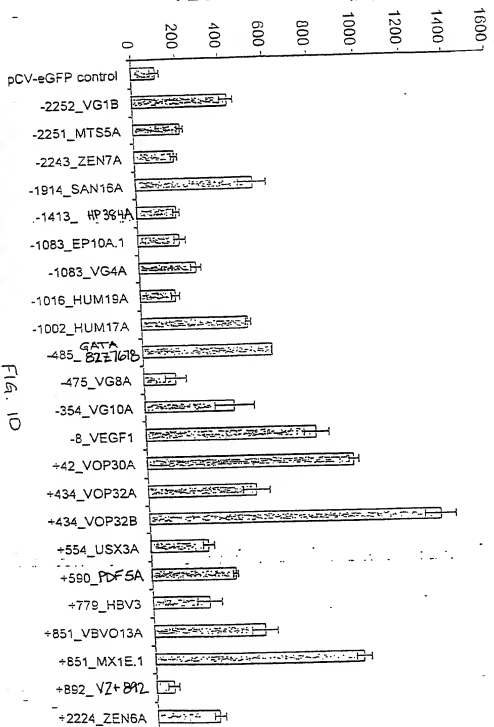


F.



FIG. 9

# VEGF-A Protein (pg/ml)



1006069.120601

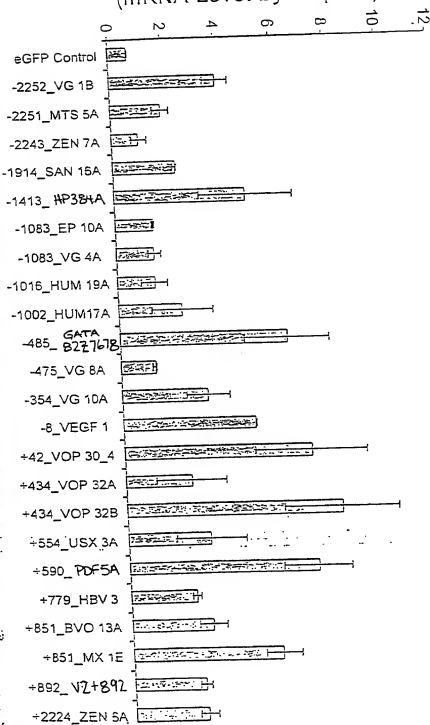
Flg. 10

10006069.120601

Fig. 11

ZFP →  
Protein

VEGF/GAPDH  
(mRNA Level by Taqman)



# Fold Reporter Induction

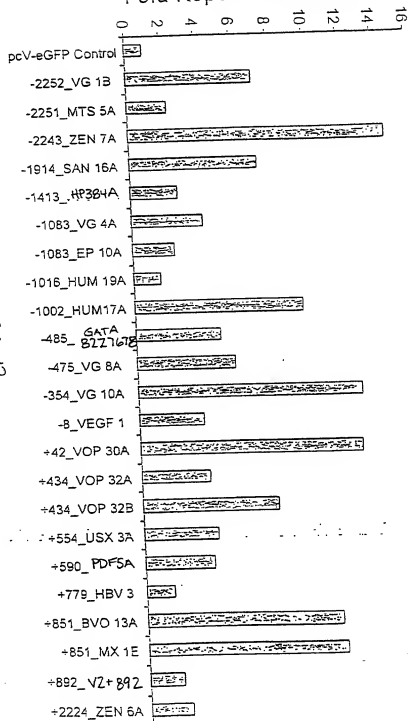


FIG. 12

10006069-120601



VEGF Production (pg/ml)

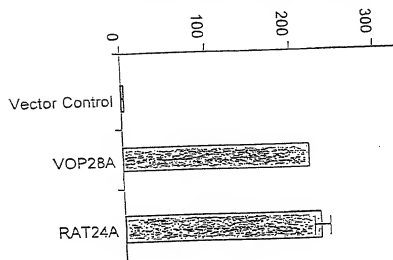


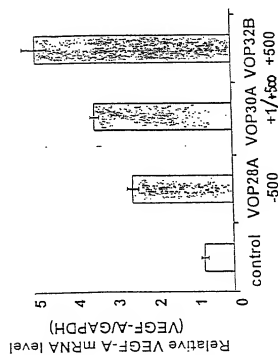
Fig. 13

10006069-120601

Figure 14

A

VEGF-A mRNA Activation by ZFPs



B

VEGF-C mRNA Activation by ZFPs

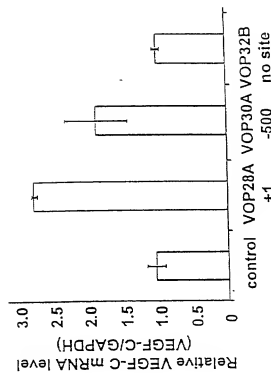
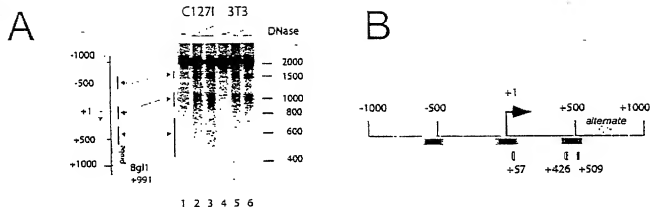


Figure 15



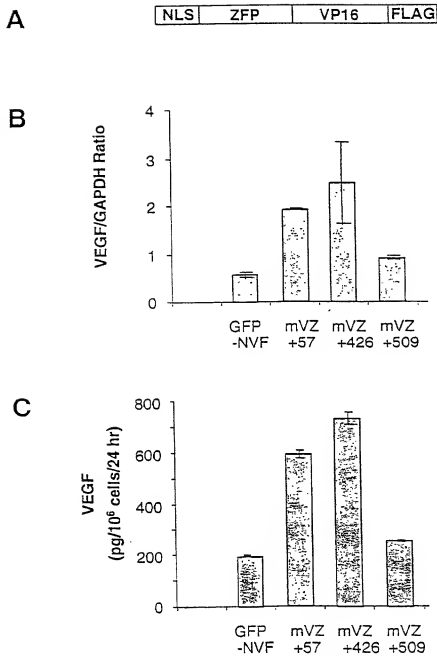
**C**

| ZFP Name | Target               | Finger Designs   |
|----------|----------------------|--|
|          | Sequence 5'-3'       | Subsites 5'-3'   |
| mVZ+57   | TGAGCGGGCGGCAGCGGAGc | QSGRLTK F6<br>RSDGLTR F5<br>RSDGLTR F4<br>QSGRLTR F3<br>RSDGLTR F2<br>RSDGLTR F1 |
| mVZ+426  | GGGGGTGACC           | RSDGLTR F3<br>QSGRLTR F2<br>RSDGLTR F1   |
| mVZ+509  | GCTGGGGGGCg          | QSGRLTR F3<br>RSDGLTR F2<br>RSDGLTR F1   |

**D**

| ZFP     | Target               | Gel Shift | Apparent Kd (nM) |
|---------|----------------------|-----------|------------------|
| mVZ+57  | TGAGCGGGCGGCAGCGGAGc |           | 0.031            |
| mVZ+426 | GGGGGTGACC           |           | <0.01            |
| mVZ+509 | GCTGGGGGGCg          |           | <0.01            |
| SP1     | GGGGCGGGGGg          |           | 0.053            |

Figure 16



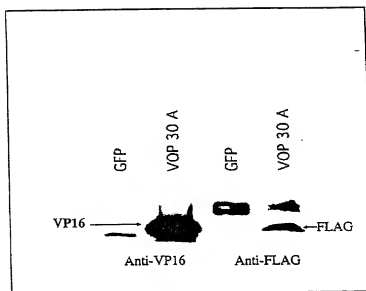


FIG. 17A

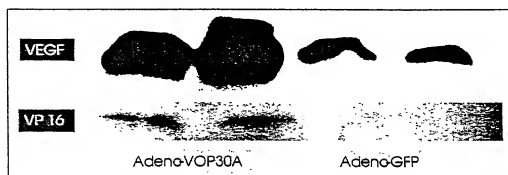


FIG. 17B

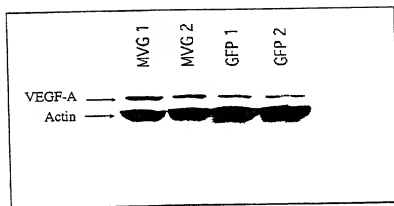


FIG. 17C

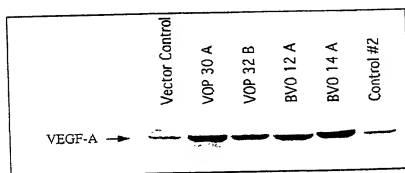


FIG. 17D

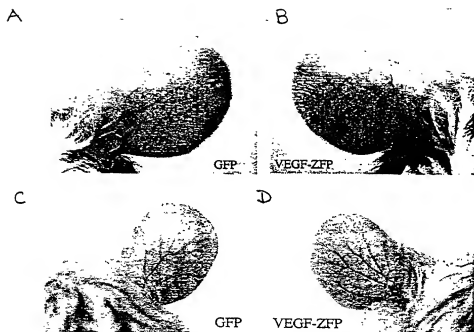


FIG. 1B

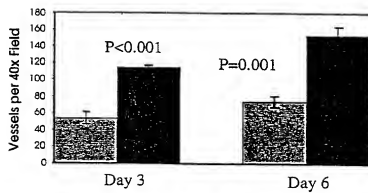


FIG. 1B E

FIG. 19A

GFP



FIG. 19B

MVG

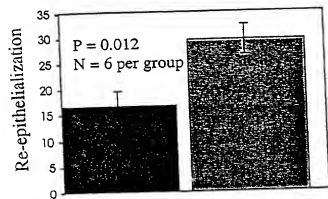
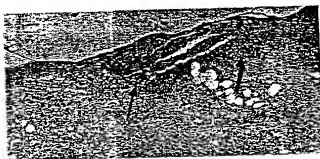
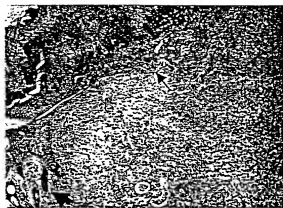


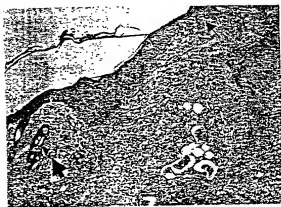
FIG. 19C





VEGF-ZFP (MVG)  
(MVG)

FIG. 20A



GFP Control

FIG. 20B



FIG. 21 A



FIG. 21 B

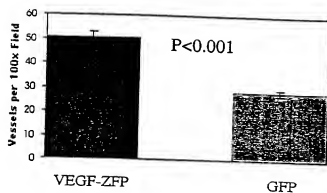


FIG. 21 C

Figure 22

